A) Amendment to the Claims:

1-10. (Cancelled)

11. (Currently Amended) A precision auto alignment method for incident angle of an ellipsometer, wherein the precision auto alignment method ~~comprising~~ comprises the steps of:

measuring tilt and translating angle errors according to incident angles of a polarizing unit at a first predetermined position;

compensating ~~each~~ the errors by moving a light spot reflecting from ~~the~~ a specimen onto a center of the detector's entrance aperture;

calculating the tilt and translating angle errors ~~from~~ by ~~repeatedly~~ performing ~~the~~ said measuring and compensating steps ~~above~~ for the polarizing unit located at a subsequent predetermined position ; and

correctly aligning incident angle for the ellipsometer by compensating for the calculated tilt and translating angle errors.

12. (Currently Amended) The precision auto alignment method according to claim 11, wherein the measuring step ~~comprising~~ comprises:

measuring a first set of the tilt and translating errors as the light spot is centered on the detector's entrance aperture when the polarizing unit and analyzing <u>unit</u> are set at a first incident angle; and

measuring a second set of the tilt and translating errors as the light spot is centered on the detector's entrance aperture when the polarizing unit and analyzing <u>unit</u> are set at a second incident angle.

13. (Currently Amended) The precision auto alignment method according to claim 11, wherein the compensating step ~~comprising~~ <u>comprises the steps of</u>:

accessing the light spot to ~~a~~ <u>an</u> entrance aperture of <u>said</u> detecting unit of ~~the~~ <u>said</u> ellipsometer by tilting a specimen on <u>said</u> specimen stage of ~~the~~ <u>said</u> ellipsometer; and

centering the light spot to ~~a~~ <u>an</u> entrance aperture of <u>said</u> detecting unit by obtaining a half maximum intensity and at the same time a half position between two positions ~~have~~ <u>having</u> the same intensity.

14. (Currently Amended) The precision auto alignment method according to claim 13, wherein the centering step ~~comprising~~ <u>comprises the steps of</u>:

obtaining a first center position in a X direction at a first half intensity of the first maximum intensity of between two x positions which have a first intensity; and

a step of obtaining a second center position in a Y direction at a second half intensity of the second maximum intensity between two y positions which have a second intensity.